

Title (en)

Method of demodulation with judgement stage for binary data.

Title (de)

Demodulationsverfahren mit Entscheidungsstufe für binäre Daten.

Title (fr)

Procédé de démodulation avec stade de décision pour données binaires.

Publication

EP 0494429 B1 19950301 (DE)

Application

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Priority

CH 5191 A 19910110

Abstract (en)

[origin: JPH04326230A] PURPOSE: To provide a demodulation method for binary data, which is an improved version of a known demodulation method and in which the simplicity of a non-interference demodulation method and advantages of the spread spectrum method are combined. CONSTITUTION: Envelope signals $z_0(t)$, $z_1(t)$ of envelope detectors 3, 6 are sampled once per bit to obtain sampling values $z_0(kT_b)$, $z_1(kT_b)$. The sampling values are given to a computer unit 8 which stores values of a discrimination table, introduced from a probability table to a memory. To which table partition of the discrimination table the received sampling values will be placed is decided in the computer unit, and whether a 1st signal or a 2nd signal is sent and received as signal with a highest probability is derived from a logical value 0.1 which is stored in the table partition of the discrimination table.

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